



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SETTE *et al.*

Appl. No. 09/350,401

Filed: July 8, 1999

For: **Inducing Cellular  
Immune Responses to  
Hepatitis B Virus Using  
Peptide and Nucleic Acid  
Compositions**

Confirmation No. 8008

Art Unit: 1644

Examiner: Schwadron, R.

Atty. Docket: 2060.0060008/EKS/PAJ/M-M

**First Supplemental Information Disclosure Statement**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this First Supplemental IDS is a continuation of the numbering in Applicants' Information Disclosure Statement filed electronically herewith in connection with the above-captioned application. Copies of documents AL2, AM2, AO2, AS1, AR5, AR20 and AS21 were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. 09/239,043, filed January 27, 1999, which is relied upon for an earlier filing date under 35 U.S.C. § 120 and submitted as document AT42 as cited on the Second Supplemental IDS filed herewith. Thus, copies of the above-listed documents are not attached. 37 C.F.R. § 1.98(d). Copies of all other documents are attached.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language documents AM1, AP1, and AN2 cited on Form PTO 1449:

Document **AM1**, European Application No. EP 0 226 513 A1, is in the French language. An unverified English language abstract of document AM1 is attached as document **AS25**.

Document **AP1**, PCT International Publication No. WO 92/21033, is in the German language. An unverified English language abstract of document AP1 is attached as document **AT25**.

Document **AN2**, PCT International Publication No. WO 94/11738, is in the German language. An unverified English language abstract of document AN2 is attached as document **AR26**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits. No fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Peter A. Jackman  
Attorney for Applicants  
Registration No. 45,986

Date: August 5, 2003

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600



FORM PTO-1449

**FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**ATTY. DOCKET NO.  
2060.0060008/EKS/PAJ/M-MAPPLICATION NO.  
09/350,401APPLICANT  
SETTE et al.FILING DATE  
July 8, 1999GROUP  
1644**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1						
	AB1						
	AC1						
	AD1						
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**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL1	EP 0 044 710 A1	01/27/1982	Europe			Yes No
	AM1	EP 0 226 513 A1	06/24/1987	Europe			Yes X No
	AN1	WO 92/02543 A1	02/20/1992	WIPO			Yes No
	AO1	WO 92/12996 A2	08/06/1992	WIPO			Yes No
	AP1	WO 92/21033 A1	11/26/1992	WIPO			Yes X No

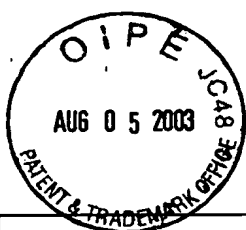
**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>1</u>	Aichele, P., et al., "Antiviral cytotoxic T cell response induced by in vivo priming with a free synthetic peptide," <i>J. Exp. Med.</i> 171:1815-1820, Rockefeller University Press (1990)
	AS	<u>1</u>	Alexander, J., et al., "Derivation of HLA-A11/K <sup>b</sup> Transgenic Mice. Functional CTL Repertoire and Recognition of Human A11-Restricted CTL Epitopes," <i>J. Immunol.</i> 159:4753-4761, The American Association of Immunologists (1997)
	AT	<u>1</u>	Bergmann, C.C., et al., "Differential Effects of Flanking Residues on Presentation of Epitopes from Chimeric Peptides," <i>J. Virol.</i> 68:5306-5310, American Society for Microbiology (August 1994)

EXAMINER

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	AL2	WO 93/03764 A1	03/04/1993	WIPO			Yes No
	AM2	WO 94/03205 A1	02/17/1994	WIPO			Yes No
	AN2	WO 94/11738 A1	05/26/1994	WIPO			Yes X No
	AO2	WO 94/20127 A1	09/15/1994	WIPO			Yes No
	AP2	WO 96/03140 A1	02/08/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	2	Bertoni, R., et al., "Human Histocompatibility Leukocyte Antigen-binding Supermotifs Predict Broadly Cross-reactive Cytotoxic T Lymphocyte Responses in Patients with Acute Hepatitis," <i>J. Clin. Invest.</i> 100:503-513, The American Society for Clinical Investigation, Inc. (1997)	
AS	2	Bertoni, R., et al., "Human Class I Supertypes and CTL Repertoires Extend to Chimpanzees," <i>J. Immunol.</i> 161:4447-4455, American Association of Immunologists (1998)	
AT	2	Bjorkman, P.J., et al., "Structure of the human class I histocompatibility antigen, HLA-A2," <i>Nature</i> 329:506-512, Macmillan Publishers, Ltd. (1987)	

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AT42. Thus, copies of the above-listed documents are not attached. 37 C.F.R. § 1.98(d).

A copy of all other documents is attached.

The Examiner's attention is directed to the following co-pending U.S. patent applications:

U.S. Application No. 08/591,502, filed May 20, 1996;

U.S. Application No. 09/350,401, filed July 8, 1999;

U.S. Application No. 09/239,043, filed January 27, 1999; and

U.S. Application No. 10/363,990, filed March 10, 2003;

which are directed to related technical subject matter. The identification of these U.S. patent applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

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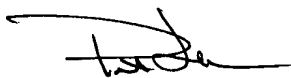
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Respectfully submitted,

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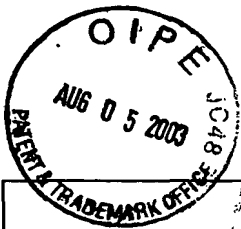


Peter A. Jackman  
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Date: August 5, 2003

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FORM PTO-1449 <u>SECOND SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 2060.0060008/EKS/PAJ/M-M	APPLICATION NO. 09/350,401
	APPLICANT SETTE et al.	
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FOREIGN PATENT DOCUMENTS							
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	AL3	EP 0 429 816 A1	06/05/1991	Europe			Yes No
	AM3	EP 0 469 281 A1	02/05/1992	Europe			Yes No
	AN3	EP 0 491 077 A1	06/24/1992	Europe			Yes No
	AO3	WO 93/03753	03/04/1993	WIPO			Yes No
	AP3	WO 94/19011	09/01/1994	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR		
	AS	26	Alexander, J., et al., "The Optimization of Helper T Lymphocyte (HTL) Function in Vaccine Development," <i>Immunol. Res.</i> 18:79-92, Humana Press Inc. (1998).
	AT	26	Ando, K., et al., "Mechanisms of Class I Restricted Immunopathology. A Transgenic Mouse Model of Fulminant Hepatitis," <i>J. Exp. Med.</i> 178:1541-1554, The Rockefeller University Press (November 1993).

EXAMINER	DATE CONSIDERED
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL4	WO 95/03777	02/09/1995	WIPO			Yes No
	AM4	WO 95/22317	08/24/1995	WIPO			Yes No
	AN4	WO 99/45954	09/16/1999	WIPO			Yes No
	AO4	EP 1 018 558 A2	07/12/2000	Europe			Yes No
	AP4	WO 02/19986 A1	03/14/2002	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>27</u>	Barnaba, V., et al., "Selective killing of hepatitis B envelope antigen-specific B cells by class I-restricted, exogenous antigen-specific T lymphocytes," <i>Nature</i> 345:258-260, Nature Publishing Co. (1990).
	AS	<u>27</u>	Bertoletti, A., et al., "Definition of a Minimal Optimal Cytotoxic T-Cell Epitope within the Hepatitis B Virus Nucleocapsid Protein," <i>J. Virol.</i> 67:2376-2380, American Society for Microbiology (April 1993).
	AT	<u>27</u>	Bertoletti, A., et al., "Natural variants of cytotoxic epitopes are T-cell receptor antagonists for antiviral cytotoxic T cells," <i>Nature</i> 369:407-410, Nature Publishing Co. (June 1994).

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	AL						Yes No
	AM						Yes No
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	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>28</u>	Bertoletti, A., et al., "HLA class I-restricted human cytotoxic T cells recognize endogenously synthesized hepatitis B virus nucleocapsid antigen," <i>Proc. Natl. Acad. Sci. USA</i> 88:10445-10449, National Academy of Sciences (1991).
	AS	<u>28</u>	Bertoni, R., et al., "Human Histocompatibility Leukocyte Antigen-binding Supermotifs Predict Broadly Cross-reactive Cytotoxic T Lymphocyte Responses in Patients with Acute Hepatitis," <i>J. Clin. Invest.</i> 100:503-513, The American Society for Clinical Investigation, Inc. (1997).
	AT	<u>28</u>	Bhatnagar, P.K., et al., "Immune response to synthetic peptide analogues of hepatitis B surface antigen specific for the a determinant," <i>Proc. Natl. Acad. Sci. USA</i> 79:4400-4404, National Academy of Sciences (1982).

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	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	29	Borras-Cuesta, F., et al., "Engineering of immunogenic peptides by co-linear synthesis of determinants recognized by B and T cells," <i>Eur. J. Immunol.</i> 17:1213-1215, VCH Verlagsgesellschaft mbH (1987).
	AS	29	Bruss, V., "A Short Linear Sequence in the Pre-S Domain of the Large Hepatitis B Virus Envelope Protein Required for Virion Formation," <i>J. Virol.</i> 71:9350-9357, American Society for Microbiology (1997).
	AT	29	Celis, E., et al., "Recognition of Hepatitis B Surface Antigen by Human T Lymphocytes," <i>J. Immunol.</i> 140:1808-1815, The American Association of Immunologists (1988).

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	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>30</u>	Chang, K.-M., et al., "Identification of HLA-A3 and -B7-Restricted CTL Response to Hepatitis C Virus in Patients with Acute and Chronic Hepatitis C," <i>J. Immunol.</i> 162:1156-1164, The American Association of Immunologists (1999).
	AS	<u>30</u>	Chisari, F.V., "Hepatitis B Virus Immunopathogenesis," <i>Annu. Rev. Immunol.</i> 13:29-60, Annual Reviews Inc. (1995).
	AT	<u>30</u>	del Guercio, M.-F., et al., "Binding of a Peptide Antigen to Multiple HLA Alleles Allows Definition of an A2-Like Supertype," <i>J. Immunol.</i> 154:685-693, The American Association of Immunologists (1995).

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	AR	<u>31</u>	Diepolder, H.M., et al., "Immunodominant CD4 <sup>+</sup> T-Cell Epitope within Nonstructural Protein 3 in Acute Hepatitis C Virus Infection," <i>J. Virol.</i> 71:6011-6019, American Society for Microbiology (1997).
	AS	<u>31</u>	Fayolle, C., et al., "In Vivo Induction of Cytotoxic T Cell Response by a Free Synthetic Peptide Requires CD4 <sup>+</sup> T Cell Help," <i>J. Immunol.</i> 147:4069-4073, The American Association of Immunologists (1991).
	AT	<u>31</u>	Ferrari, C., et al., "Identification of Immunodominant T Cell Epitopes of the Hepatitis B Virus Nucleocapsid Antigen," <i>J. Clin. Invest.</i> 88:214-222, The American Society for Clinical Investigation, Inc. (1991).

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	AS	32	Hayashi, Y., et al., "Studies on Peptides. CLXVI. Solid-Phase Syntheses and Immunological Properties of Fragment Peptides Related to Human Hepatitis B Virus Surface Antigen (HbsAg) and Its Pre-S2 Gene," <i>Chem. Pharm. Bull.</i> 36:4993-4999, Pharmaceutical Society of Japan (1988).
	AT	32	Hopp, T.P., "Immunogenicity of a Synthetic HbsAg Peptide: Enhancement by Conjugation to a Fatty Acid Carrier," <i>Mol. Immunol.</i> 21:13-16, Pergamon Press Ltd. (1984).

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	AP						Yes No

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	AR	<u>33</u>	Ishioka, G.Y., et al., "Class I MHC-restricted, Peptide-specific Cytotoxic T Lymphocytes Generated by Peptide Priming In Vivo," in <i>Vaccines 90</i> , Brown, F., et al., eds., Cold Spring Harbor Laboratory Press, pp. 7-11 (1990).
	AS	<u>33</u>	Kondo, A., et al., "Prominent Roles of Secondary Anchor Residues in Peptide Binding to HLA-A24 Human Class I Molecules," <i>J. Immunol.</i> 155:4307-4312, The American Association of Immunologists (1995).
	AT	<u>33</u>	Lamonaca, V., et al., "Conserved Hepatitis C Virus Sequences Are Highly Immunogenic for CD4 <sup>+</sup> T Cells: Implications for Vaccine Development," <i>Hepatology</i> 30:1088-1098, American Association for the Study of Liver Diseases (1999).

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	AN						Yes No
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AR	<u>34</u>	Lerner, R.A., et al., "Chemically synthesized peptides predicted from the nucleotide sequence of the hepatitis B virus genome elicit antibodies reactive with the native envelope protein of Dane particles," <i>Proc. Natl. Acad. Sci. USA</i> 78:3403-3407, National Academy of Sciences (1981).
AS	<u>34</u>	Milich, D.R., et al., "Immune Response to Hepatitis B Virus Core Antigen (HbcAg): Localization of T Cell Recognition Sites Within HbcAg/HBeAg," <i>J. Immunol.</i> 139:1223-1231, The American Association of Immunologists (1987).
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	AR	35	Nayersina, R., et al., "HLA A2 Restricted Cytotoxic T Lymphocyte Responses to Multiple Hepatitis B Surface Antigen Epitopes during Hepatitis B Virus Infection," <i>J. Immunol.</i> 150:4659-4671, The American Association of Immunologists (May 1993).
	AS	35	Penna, A., et al., "Hepatitis B Virus (HBV)-Specific Cytotoxic T-Cell (CTL) Response in Humans: Characterization of HLA Class II-Restricted CTLs That Recognize Endogenously Synthesized HBV Envelope Antigens," <i>J. Virol.</i> 66:1193-1198, American Society for Microbiology (February 1992).
	AT	35	Penna, A., et al., "Cytotoxic T Lymphocytes Recognize an HLA-A2-restricted Epitope within the Hepatitis B Virus Nucleocapsid Antigen," <i>J. Exp. Med.</i> 174:1565-1570, The Rockefeller University Press (1991).

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	AT	<u>36</u>	Rehermann, B., et al., "The Cytotoxic T Lymphocyte Response to Multiple Hepatitis B Virus Polymerase Epitopes During and After Acute Viral Hepatitis," <i>J. Exp. Med.</i> 181:1047-1058, The Rockefeller University Press (1995).

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	AR	<u>38</u>	Sidney, J., et al., "Specificity and Degeneracy in Peptide Binding to HLA-B7-Like Class I Molecules," <i>J. Immunol.</i> 157:3480-3490, The American Association of Immunologists (1996).
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	AT	<u>38</u>	Toes, R.E.M., et al., "Enhancement of Tumor Outgrowth Through CTL Tolerization After Peptide Vaccination Is Avoided by Peptide Presentation on Dendritic Cells," <i>J. Immunol.</i> 160:4449-4456, The American Association of Immunologists (1998).

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	AR	<u>39</u>	Wakita, T., et al., "Gamma-Interferon Production in Response to Hepatitis B Core Protein and Its Synthetic Peptides in Patients with Chronic Hepatitis B Virus Infection," <i>Digestion</i> 47:149-155, S. Karger AG (1990).
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	AT	<u>39</u>	Pending Non-Provisional United States Patent Application No. 09/350,401, Sette et al., filed July 8, 1999, Cover page, Tables and Claims only (NOT PUBLISHED).

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	AR	<u>40</u>	Barber, L.D., et al., "Overlap in the repertoires of peptides bound <i>in vivo</i> by a group of related class I HLA-B allotypes," <i>Curr. Biol.</i> 5:179-190, Current Biology Ltd. (1995).
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	AT	<u>40</u>	Cerny, A., et al., "Cytotoxic T Lymphocyte Response to Hepatitis C Virus-derived Peptides Containing the HLA A2.1 Binding Motif," <i>J. Clin. Invest.</i> 95:521-530, The American Society for Clinical Investigation, Inc. (1995).

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	AR	<u>41</u>	Cohen, J., "The Scientific Challenge of Hepatitis C," <i>Science</i> 285:26-30, American Association for the Advancement of Science (1999).
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	AT	<u>41</u>	Wentworth, P.A., et al., "Identification of A2-restricted hepatitis C virus-specific cytotoxic T lymphocyte epitopes from conserved regions of the viral genome," <i>Int. Immunol.</i> 8:651-659, Oxford University press (1996).

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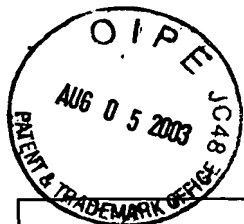
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	7	Falk, K., et al., "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules," <i>Nature</i> 351:290-296, Macmillan Publishers, Ltd. (1991)
	AS	7	Falk, K., et al., "MHC peptide motif register. Peptide motifs of HLA-B35 and -B37 molecules," <i>Immunogenetics</i> 38:161-162, Springer-Verlag (April 1993)
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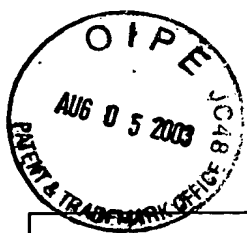
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	AR	<u>2</u>	Geysen, H.M., et al., "Cognitive Features of Continuous Antigenic Determinants," <i>J. Mol. Recognit.</i> 1:32-41, Heyden & Sons, Ltd. (1988)
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	AT	<u>2</u>	Henderson, R.A., et al., "HLA-A2.1-Associated Peptides from a Mutant Cell Line: A Second Pathway of Antigen Presentation," <i>Science</i> 255:1264-1266, American Association for the Advancement of Science (March 1992)

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>10</u>	Hill, A., et al., "Characterization of two Epstein-Barr virus epitopes restricted by HLA-B7," <i>Eur. J. Immunol.</i> 25:18-24, VCH Verlagsgesellschaft mbH (1995)
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	AR	<u>11</u>	Jameson, S.C., and Bevan, M.J., "Dissection of major histocompatibility complex (MHC) and T cell receptor contact residues in a K <sup>b</sup> -restricted ovalbumin peptide and an assessment of the predictive power of MHC-binding motifs," <i>Eur. J. Immunol.</i> 22:2663-2667, VCH Verlagsgesellschaft mbH (October 1992)
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	AR	<u>12</u>	Kast, W.M., <i>et al.</i> , "Protection against lethal Sendai virus infection by <i>in vivo</i> priming of virus-specific cytotoxic T lymphocytes with a free synthetic peptide," <i>Proc. Natl. Acad. Sci. USA</i> 88:2283-2287, National Academy Press (1991)
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	AR	<u>13</u>	Lipford, G.B., et al., "Primary in Vivo Responses to Ovalbumin. Probing the Predictive Value of the K <sup>b</sup> Binding Motif," <i>J. Immunol.</i> 150:1212-1222, The American Association of Immunologists (February 1993)
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	AT	<u>13</u>	Maryanski, J.L., et al., "Competitor Analogs for Defined T Cell Antigens: Peptides Incorporating a Putative Binding Motif and Polyproline or Polyglycine Spacers," <i>Cell</i> 60:63-72, Cell Press (1990)

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>14</u>	Morrison, J., et al., "Identification of the nonamer peptide from influenza A matrix protein and the role of pockets of HLA-A2 in its recognition by cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 22:903-907, VCH Verlagsgesellschaft mbH (April 1992)
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>15</u>	Pamer, E.G., et al., "Precise prediction of a dominant class I MHC-restricted epitome of <i>Listeria monocytogenes</i> ," <i>Nature</i> 353:852-855, Macmillan Publishers, Ltd. (1991)
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	AT	<u>15</u>	Parker, K.C., et al., "Peptide Binding to HLA-A2 and HLA-B27 Isolated from <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 267:5451-5459, American Society for Biochemistry and Molecular Biology, Inc. (March 1992)

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	AR	<u>16</u>	Parker, K.C., et al., "Sequence motifs important for peptide binding to the human MHC class I molecule, HLA-A2," <i>J. Immunol.</i> 149:3580-3587, American Association of Immunologists (December 1992)
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	AS	<u>17</u>	Romero, P., et al., "H-2K <sup>d</sup> -restricted Antigenic Peptides Share a Simple Binding Motif," <i>J. Exp. Med.</i> 174:603-612, Rockefeller University Press (1991)
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	AR	<u>18</u>	Rötzschke, O., et al., "Isolation and analysis of naturally processed viral peptides as recognized by cytotoxic T cells," <i>Nature</i> 348:252-254, Macmillan Publishers, Ltd. (1990)
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	AT	<u>18</u>	Rötzschke, O., and Falk, K., "Naturally-occurring peptide antigens derived from the MHC class-I-restricted processing pathway," <i>Immunol. Today</i> 12:447-455, Elsevier Science Publishers, Ltd. (1991)

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	AR	<u>21</u>	Sette, A., et al., "Random association between the peptide repertoire of A2.1 class I and several different DR class II molecules," <i>J. Immunol.</i> 147:3893-3900, The American Association of Immunologists (1991)
	AS	<u>21</u>	Sette, A., et al., "The Relationship Between Class I Binding Affinity and Immunogenicity of Potential Cytotoxic T Cell Epitopes," <i>J. Immunol.</i> 153:5586-5592, The American Association of Immunologists (December 1994)
	AT	<u>21</u>	Shastri, N., et al., "Presentation of Endogenous Peptide/MHC Class I Complexes Is Profoundly Influenced by Specific C-Terminal Flanking Residues," <i>J. Immunol.</i> 155: 4339-4346, The American Association of Immunologists (1995)

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	APPLICANT SETTE et al.	
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	AR	22	Sherman, L.A., et al., "Extracellular Processing of Peptide Antigens That Bind Class I Major Histocompatibility Molecules," <i>J. Exp. Med.</i> 175:1221-1226, The Rockefeller University Press (May 1992)
	AS	22	Shimojo, N., et al., "Specificity of peptide binding by the HLA-A2.1 molecule," <i>J. Immunol.</i> 143:2939-2947, The American Association of Immunologists (1989)
	AT	22	Sidney, J., et al., "Several HLA Alleles Share Overlapping Peptide Specificities," <i>J. Immunol.</i> 154:247-259, The American Association of Immunologists (1995)

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	AR	<u>23</u>	Threlkeld, S.C., et al., "Degenerate and Promiscuous Recognition by CTL of Peptides Presented by the MHC Class I A3-like Superfamily. Implications for Vaccine Development," <i>J. Immunol.</i> 159:1648-1657, The American Association of Immunologists (1997)
	AS	<u>23</u>	Wentworth, P.A., et al., "Differences and similarities in the A2.1-restricted cytotoxic T cell repertoire in humans and human leukocyte antigen-transgenic mice," <i>Eur. J. Immunol.</i> 26:97-101, VCH Verlagsgesellschaft mbH (1996)
	AT	<u>23</u>	Whitton, J.L., et al., "Molecular Analyses of a Five-Amino-Acid Cytotoxic T-Lymphocyte (CTL) Epitope: an Immunodominant Region Which Induces Nonreciprocal CTL Cross-Reactivity," <i>J. Virol.</i> 63:4303-4310, American Society for Microbiology (1989)

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	AR	24	Yewdell, J.W., and Bennink, J.R., "Cell Biology of Antigen Processing and Presentation to Major Histocompatibility Complex Class I Molecule-Restricted T Lymphocytes," <i>Adv. Immunol.</i> 52:1-123, Academic Press (July 1992)
	AS	24	York, I.A., and Rock, K.L., "Antigen processing and presentation by the class I major histocompatibility complex," <i>Annu. Rev. Immunol.</i> 14:369-396, Annual Reviews, Inc. (1996)
	AT	24	Zhang, Q-J., et al., "An HLA-A11-specific motif in nonamer peptides derived from viral and cellular proteins," <i>Proc. Natl. Acad. Sci. USA</i> 90:2217-2221, National Academy Press (March 1993)

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	AR	<u>25</u>	Parker, K.C., et al., "Scheme for Ranking Potential HLA-A2 Binding Peptides Based on Independent Binding of Individual Peptide Side-Chains," <i>J. Immunol.</i> 152:163-175, The American Association of Immunologists (January 1994)
	AS	<u>25</u>	Dialog File 351, Accession No. 7180926, Derwent WPI English language abstract for EP 0 226 513.
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	AR	26	Dialog File 351, Accession No. 9888606, Derwent WPI English language abstract for WO 94/11738.
	AS		
	AT		

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